

Author Index

VOLUME 24, 2003

- Baird, Richard A., 165
Behar, Alberto, 345
Boettcher, Flint A., 157
Burton, Miriam D., 165
- Cartwright, Karl, 281
Cevette, Michael J., 223
Chasin, Marshall, 345
Corwin, Jeffrey T., 163
Cotanche, Douglas A., 167
Coutinho, Petula A., 167
Cunningham, Lisa, 99
- Dean, James, 169, 247
DeFeo, Anthony, 235
Dickman, J. David, 161
Diefendorf, Allan O., 189
Dille, Marilyn F., 201
Ding, Dalian, 135
Dooling, Robert J., 159
Dubno, Judy R., 157
- Faux, Cass, 235
Fuchs, Albert F., 151
- Glatke, Theodore J., 223
Goode, Christopher T., 151
Green, Glenn Edward, 179
Gu, Rende, 163
Gudmundsen, Gail I., 313
- Haque, Asim, 161
Harris, Frances P., 169, 247
- Henderson, Donald, 111
Hendricks, Paula, 81
Hoeker, Gregory, 265
Hu, Bo Hua, 111
Huss, David, 161
- Ikedo, Akihiro, 115
- Johnson, Steven N., 165
- Karimi, Kambiz, 163
Killion, Mead C., 299
Kolpe, Vasant V., 289
Kozma-Spytek, Linda, 17
- Lederman, Norman, 81
- MacFarland, Stephanie Z.C., 171
Mack, Allison, 1
Markowitz, Sandy, 277
Mascia, John, 211
Mascia, Nancy, 211
McFadden, Sandra L., 135
Messana, Elizabeth P., 167
Mills, John H., 157
Montcouquiol, Mireille, 163
Mormer, Elaine, 1
- Naggert, Jürgen K., 115
Nicotera, Thomas M., 111
Nishina, Patsy M., 115
- Ogilvie, Judith Mosinger, 155
Ohlemiller, Kevin K., 123
Oliveira, Robert J., 265, 289
- Pehringer, James, 71
Pirzanski, Chester Z., 263, 323, 333, 355
Preves, David, 29, 43
- Raphael, Yehoash, 153
Rubel, Edwin W., 151
Ryals, Brenda M., 99
Ryals, Brenda R., 159
- Salvi, Richard J., 135
Sataloff, Robert, 277
Schulte, Bradley A., 157
Simmons, Dwayne D., 93, 149
Sun, Wei, 135
Sweetow, Robert W., 333
- Teder, Harry, 63
- Wang, Jian, 135
Warchol, Mark E., 147
Woolley, Sarah M.N., 151
- Yanz, Jerry L., 29, 71
Zakir, Mridha, 161



Subject Index

VOLUME 24, 2003

- AAC. *See* Augmentative alternative communication (AAC)
- Abnormal anatomy of external auditory canal, earmolds and, 277-280
- Acoustic advantages of custom hearing aids, 313-322
- Acoustic feedback, earmold fitting and troubleshooting and, 355-363
- Acoustic immittance, 211-222, 252-253
- Acoustic reflexes, 218, 223-234
- Acoustical test fixture (ATF), 289-298, 345-354
- Acoustics, earmold, 299-312
- Acrylates, chemistry and rheology of otoplastic materials and, 289-298
- Activating influences on supporting cell proliferation in regenerating avian cochlea, 167-168
- ADA. *See* Americans with Disabilities Act (ADA)
- Adaptive hierarchical test procedures for developmentally delayed adults, difficulty in testing and, 247-261
- Adults with developmental disabilities. *See* Developmental disabilities
- Afferents in adult vestibular organs, hair cell regeneration of, 161-162
- Age, 157-158
- behavioral hearing assessment and, 191-194
- custom hearing aids and, 317
- telephone use and, 1-16
- Aids, hearing, 43-62, 313-322
- ALD. *See* Assistive listening device (ALD)
- Alternative communication, augmentative, referral of adults with developmental disabilities for, 235-246
- Amelioration of hearing loss, new frontiers in, 93-98
- American National Standards Institute (ANSI), 51, 53-54, 55-56, 63-70
- Americans with Disabilities Act (ADA), telephone accessibility and, 8-9
- Aminoglycosides, physiologic measures of auditory function and, 226-227
- Amplification, 241, 313-322
- ANSI. *See* American National Standards Institute (ANSI)
- Antineoplastic agents, physiologic measures of auditory function and, 227
- Antioxidant therapy, limitations of, oxidative cochlear injury and, 123-134
- Apoptosis, 99-110, 111-114, 167-168
- Art and science of custom earmolds, 281-288
- Articulation, assessment of, 236
- Assessment, hearing, 189-200, 201-210, 211-222, 247-261
- Assistive listening device (ALD), 83
- Assistive listening systems, induction loop, 81-92
- ATF. *See* Acoustical test fixture (ATF)
- Atresia, abnormal anatomy of external auditory canal and, 277-280
- Attenuation, hearing protection and, 345-354
- Audiological evaluation, 189-200, 201-210, 211-222, 247-261
- Audiologist, referral of adults with developmental disabilities for speech, communication, and augmentative alternative communication and, 235-246
- Audiology, 201-210, 247-261
- Audiometry, 189-200, 253-256
- Auditory application, gene transfer for, 153-154
- Auditory brainstem response, 211-222, 227-228
- Auditory canal, external, abnormal anatomy of, earmolds and, 277-280
- Auditory cortex, functional changes in peripheral and central auditory pathways following selective inner hair cell loss and, 135-145
- Auditory detection, tests of, adaptive hierarchical test procedure and, 253-254
- Auditory function, physiological measures of, effects of medications on, 223-234
- Auditory periphery, Down syndrome and, 202-203
- Auditory sequelae, neurologic syndromes with, evaluation of, 179-188
- Auditory steady-state responses, medications and, 228-229

- Auditory system, central, functional changes in peripheral and central auditory pathways following selective inner hair cell loss and, 135-145
- Augmentative alternative communication (AAC), referral of adults with developmental disabilities for, 235-246
- Avian brain, central nervous system plasticity in, hair cell regeneration and, 151-152
- Avian cochlea, regenerating, supporting cell proliferation in, activating influences on, 167-168
- Axonal guidance cues and target selection, in developing cochlea, 149-150
- BAX, hair cells and, 106-107
- Bcl-2, hair cells and, 106-107
- Behavior assessment, 189-200, 215-216, 255
- Behavioral audiometry, adaptive hierarchical test procedure and, 253-256
- Binaural telephone listening, 40
- Biology of hair cell regeneration, rescue, and repair, 99-110
- Blind-deaf individuals with developmental disabilities, audiological assessment of, 211-222
- Bone conduction, occlusion effect and ampclusion effect and, 333-344
- Brain, avian, central nervous system plasticity in, hair cell regeneration and, 151-152
- Bullfrog sacculle, normal and mitotically blocked cultures of, hair cell recovery in, 165-166
- C63.19 standard, 51, 53-54, 55-56
- Canal, ear, 265-276, 277-280
- Capacity model, current trends and issues in understanding adults with developmental disabilities and, 171-178
- Caregiver, observation of, adaptive hierarchical test procedure and, 250
- Caregiver interview, adaptive hierarchical test procedure and, 249
- Caspase, biology of hair cell regeneration, rescue, and repair and, 99-110
- Caspase-3, activating influences on supporting cell proliferation in regenerating avian cochlea and, 167-168
- Cell cycle, biology of hair cell regeneration, rescue, and repair and, 99-110
- Cell proliferation, supporting, in regenerating avian cochlea, activating influences on, 167-168
- Cellular, hearing aids and digital wireless telephones and, 43-62
- Central auditory system, functional changes in peripheral and central auditory pathways following selective inner hair cell loss and, 135-145
- Central nervous system plasticity in avian brain, hair cell regeneration and, 151-152
- Channels, sound, earmold acoustics and, 299-312
- Chart review, adaptive hierarchical test procedure and, 249
- Chemistry of otoplastic materials, 289-298
- Children, hearing assessment in, 189-200, 201-210
- Chinchilla, 111-114, 135-145
- Choices, management techniques of audiologist and, 240
- Choked, earmold acoustics and, 299-312
- Chromosomal abnormalities, mental retardation and, 180-181
- Client, observation of, adaptive hierarchical test procedure and, 250
- Client-examiner relationship, adaptive hierarchical test procedure and, 248
- Client interview, adaptive hierarchical test procedure and, 249
- Cochlea, 111-114, 123-134, 149-150, 167-168
- Cognitive delays in assessment of deaf-blind individuals, 217-218
- Colliculus, inferior, functional changes in peripheral and central auditory pathways following selective inner hair cell loss and, 135-145
- Comfort, earmold fitting and troubleshooting and, 355-363
- Communication, 17-28, 171-178, 235-246
- Conditioned play audiometry (CPA), 189-200
- Conduction, bone, occlusion effect and ampclusion effect and, 333-344
- Congenital ear malformation, abnormal anatomy of external auditory canal and, 277-280
- Congenital ear reconstruction, abnormal anatomy of external auditory canal and, 277-280
- Cortex, auditory, functional changes in peripheral and central auditory pathways following selective inner hair cell loss and, 135-145
- Coupling, inductive, 17-28, 30
- CPA. *See* Conditioned play audiometry (CPA)
- Cultures, normal and mitotically blocked, of bullfrog sacculle, hair cell recovery in, 165-166
- Custom earmolds, art and science of, 281-288
- Custom hearing aids, physical options for, 313-322
- Cyclin, hair cell regeneration and, 101-102
- Cyclin-dependent kinase, biology of hair cell regeneration, rescue, and repair and, 99-110
- Damping, earmold acoustics and, 299-312
- DCT. *See* Digital cellular telephone (DCT)
- Deaf-blind individuals with developmental disabilities, audiological assessment of, 211-222

- Deaf waddler, mouse genetics as tool for elucidating molecular pathways involved in hearing loss and, 115-122
- Deafness syndromes associated with mental retardation, 185-186
- Death, hair cell, 111-114, 147-148
- Developing cochlea, axonal guideline cues and target selection in, 149-150
- Developmental disabilities, 1-16, 169-170, 171-178, 189-200, 201-210, 211-222, 235-246, 247-261
- Dexterity, 36-39, 316
- dfw, hearing loss and, 117
- Difficulty in testing, adaptive hierarchical test procedures for developmentally delayed adults and, 247-261
- Digital cell phones, hearing aids and, 39
- Digital cellular telephone (DCT), 43-62
- Digital wireless telephones, hearing aids and, 43-62
- Digitized switches, management techniques of audiologist and, 242
- Directional microphones, physical options for custom hearing aids and, 313-322
- Disabilities, developmental, 1-16, 169-170, 171-178, 189-200, 201-210, 211-222, 235-246, 247-251
- Distortion product otoacoustic emission (DPOAE), 137-138, 205
- Diuretics, loop, physiologic measures of auditory function and, 227
- DNA synthesis, activating influences on supporting cell proliferation in regenerating avian cochlea and, 167-168
- Down syndrome (DS), audiological evaluation of individuals with, 201-210
- DPOAE. *See* Distortion product otoacoustic emission (DPOAE)
- Drawing, management techniques of audiologist and, 241
- DS. *See* Down syndrome (DS)
- Durometer, custom earmolds and, 281-288
- Ear, 71-80, 147-148, 157-158, 265-276
- Ear canal, 265-276, 277-280
- Ear impressions using new laser shell technology, 323-332
- Ear malformation, congenital, abnormal anatomy of external auditory canal and, 277-280
- Ear reconstruction, abnormal anatomy of external auditory canal and, 277-280
- Earmolds, types of, 263-264, 277-280, 281-288, 289-298, 299-312, 355-363
- EHIMA study. *See* European Hearing Instrument Manufacturers Association (EHIMA) study
- Electroacoustics, occlusion effect and amplification effect and, 333-344
- Electrocochleography, medications and, 226-227
- Electromagnetic noise, telecoils and, 30-31
- Electrophysiology, effects of medications on physiological measures of auditory function and, 223-234
- Emissions, 43-62, 211-222, 225, 247-261
- Employment programs, current trends and issues in understanding adults with developmental disabilities and, 171-178
- Environments, natural, methods and strategies for audiological assessment of individuals who are deaf-blind with developmental disabilities and, 211-222
- EOAEs. *See* Evoked otoacoustic emissions (EOAEs)
- Epithelia, hair cell, mammalian, regeneration of, 163-164
- ER-15 earplugs, hearing protection and, 345-354
- ER-25 earplugs, hearing protection and, 345-354
- European Hearing Instrument Manufacturers Association (EHIMA) study, 49-51
- Evoked otoacoustic emissions (EOAEs), adaptive hierarchical test procedure and, 253
- Evoked potentials, 223-234
- External auditory canal, abnormal anatomy of, earmolds and, 277-280
- Extrinsic factors, mental retardation and, 183-184
- Feedback, acoustic, earmold fitting and troubleshooting and, 355-363
- Fluency, assessment of, 237
- Foam, viscoelastic, chemistry and rheology of otoplastic materials and, 289-298
- Foam earmolds, chemistry and rheology of otoplastic materials and, 289-298
- Free radicals, oxidative cochlear injury and limitations of antioxidant therapy and, 123-134
- Frequency response, sensitivity of telephones and, 32
- Functional assessment, 171-178, 216-217, 247-261
- Futures planning, personal, methods and strategies for audiological assessment of individuals who are deaf-blind with developmental disabilities and, 211-222
- Gap junctions, activating influences on supporting cell proliferation in regenerating avian cochlea and, 167-168
- Gene transfer for auditory and vestibular application, 153-154
- Genetics, mouse, as tool for elucidating molecular pathways involved in hearing loss, 115-122

- Gestures, management techniques of audiologist and, 241
- Growth factors, hair cell regeneration and, 102
- HAC Act of 1988. *See* Hearing Aid Compatibility (HAC) Act of 1988
- Hair cell epithelia, mammalian, regeneration of, 163-164
- Hair cells, 93-98, 99-110, 111-114, 151-152, 159-162, 165-166, 167-168
- Hearing Aid Compatibility (HAC) Act of 1988, telephone accessibility and, 8, 17, 22-26
- Hearing aid compatible telephones, 17-28
- Hearing aid telecoils, 1-16, 29-42, 63-70, 71-80, 81-92
- Hearing aids, 43-62, 313-322, 323-332
- Hearing assessment, behavioral, of young child with developmental disabilities, 189-200
- Hearing loss, 93-98, 115-122, 123-134, 179-188, 247-261, 314-315
- Hearing protection, 345-354
- Hierarchical test procedures, adaptive, for developmentally delayed adults, difficulty in testing and, 247-261
- Horns, earmold acoustics and, 299-312
- IEC. *See* International Electrotechnical Commission (IEC)
- Immittance, acoustic, 211-222, 252-253
- Immunity, hearing aids and digital wireless telephones and, 43-62
- Impression compounds, chemistry and rheology of otoplastic materials and, 289-298
- Impressions, ear, using new laser shell technology, 323-332
- Induction, telecoils and, 29-42
- Induction loop assistive listening systems, 81-92
- Inductive coupling, 17-28, 30
- Infants, hearing assessment in, 189-200, 201-210
- Inferior colliculus, functional changes in peripheral and central auditory pathways following selective inner hair cell loss and, 135-145
- Inhibition, functional changes in peripheral and central auditory pathways following selective inner hair cell loss and, 135-145
- Inner ear, mature, ongoing death and replacement of sensory receptors in, 147-148
- Input-referred interference level (IRIL), 45-47
- Interference, 29-42, 43-62
- International Electrotechnical Commission (IEC) 60118-13 standard, 54-56
- IRIL. *See* Input-referred interference level (IRIL)
- Jaw movement, ear canal anatomy and activity and, 265-276
- Kinase, cyclin-dependent, biology of hair cell regeneration, rescue, and repair and, 99-110
- Language, referral of adults with developmental disabilities for, 235-246
- Laser shell technology, new, ear impressions using, 323-332
- Legislation addressing telephone accessibility, 7-9
- Life span, telephone across, 1-16
- Lifestyle, custom hearing aids and, 316-317
- Listening systems, induction loop assistive, 81-92
- Living programs, current trends and issues in understanding adults with developmental disabilities and, 171-178
- LLAEPs. *See* Long latency auditory evoked potentials (LLAEPs)
- Long latency auditory evoked potentials, (LLAEPs), medications and, 229
- Loop assistive listening systems, induction, 81-92
- Loop diuretics, physiologic measures of auditory function and, 227
- Loss, hearing, 97-98, 115-122, 123-134, 179-188, 247-261, 314-315
- Magnetic, telecoils and, 29-42
- Mammalian hair cell epithelia, regeneration of, 163-164
- Manual dexterity, 36-39, 316
- Mastoidectomy, abnormal anatomy of external auditory canal and, 277-280
- Mature inner ear, ongoing death and replacement of sensory receptors in, 147-148
- mdfw, hearing loss and, 117
- Medications, effects of, on physiological measures of auditory function, 223-234
- Mental retardation, 171-178, 179-188, 247-261
- Microphone-in-real-ear (MIRE), hearing protection and, 345-354
- Microphones, directional, physical options for custom hearing aids and, 313-322
- Middle ear function, measures of, 224-225
- Middle-latency auditory evoked potentials, (MLAEPs), medications and, 228
- MIRE. *See* Microphone-in-real-ear (MIRE)
- Mismatch negativity (MMN), medications and, 229
- Mitochondria, oxidative cochlear injury and limitations of antioxidant therapy and, 123-134
- Mitosis, biology of hair cell regeneration, rescue, and repair and, 99-110
- Mitotically blocked cultures of bullfrog saccule, hair cell recovery in, 165-166
- MLAEPs. *See* Middle-latency auditory evoked potentials (MLAEPs)

- MMN. *See* Mismatch negativity (MMN)
- Modeling, management techniques of audiologist and, 240
- Modifier, mouse genetics as tool for elucidating molecular pathways involved in hearing loss and, 115-122
- Molecular pathways involved in hearing loss, mouse genetics as tool for elucidating, 115-122
- moth1, hearing loss and, 117-119
- Mouse genetics as tool for elucidating molecular pathways involved in hearing loss, 115-122
- Myosin VIIa, activating influences on supporting cell proliferation in regenerating avian cochlea and, 167-168
- NAL study, 51-52
- Natural environments, methods and strategies for audiological assessment of individuals who are deaf-blind with developmental disabilities and, 211-222
- Necrosis, hair cells and, 104
- Neurologic syndromes with mental retardation and auditory sequelae, evaluation of, 179-188
- Neurotrophic factors in sensory cell protection, role for, 155-156
- New frontiers in amelioration of hearing loss, 93-98
- NIHL. *See* Noise-induced hearing loss (NIHL)
- Noise, hearing protection and, 345-354
- Noise exposure, traumatic, progression of outer hair cell death in chinchilla cochlea following, 111-114
- Noise-induced hearing loss (NIHL), 123-134, 157
- Noise reduction rating (NRR), hearing protection and, 345-354
- Nonmitotic phenotypic conversion, hair cell regeneration and, 102-103
- Nonsteroidal anti-inflammatory agents, physiologic measures of auditory function and, 227
- Normal cultures of bullfrog sacculle, hair cell recovery in, 165-166
- NRR. *See* Noise reduction rating (NRR)
- Occlusion effect, 310, 333-344
- Occupation, custom hearing aids and, 316-317
- Ongoing death and replacement of sensory receptors in mature inner ear, 147-148
- Otoacoustic emissions, 211-222, 225, 247-261
- Otoplastics, 289-298, 333-344, 355-363
- Otosopic examination in assessment of deaf-blind individuals, 215
- Ototoxicants, oxidative cochlear injury and limitations of antioxidant therapy and, 123-134
- Outer hair cell death, progression of, in chinchilla cochlea, following traumatic noise exposure, 111-114
- Oxidative cochlear injury, limitations of antioxidant therapy and, 123-134
- Oxygen, reactive, oxidative cochlear injury and limitations of antioxidant therapy and, 123-134
- p27, hair cell regeneration and, 102
- p53, hair cell regeneration and, 102
- p27 kip1, hair cell regeneration and, 102
- Pacing, management techniques of audiologist and, 241
- Participation, shared, methods and strategies for audiological assessment of individuals who are deaf-blind with developmental disabilities and, 211-222
- Pause time, management techniques of audiologist and, 240
- Pediatric audiology, 189-200, 201-210
- Peripheral auditory pathways, functional changes in, following selective inner hair cell loss, 135-145
- Personal futures planning, methods and strategies for audiological assessment of individuals who are deaf-blind with developmental disabilities and, 211-222
- Phonology, assessment of, 236
- Physical fit, ear canal anatomy and activity and, 265-276
- Physical options for custom hearing aids, 313-322
- Physiologic tests, adaptive hierarchical test procedure and, 252-253
- Physiological measures of auditory function, effects of medications on, 223-234
- Plasticity, central nervous system, in avian brain, hair cell regeneration and, 151-152
- Polyurethane foam, chemistry and rheology of otoplastic materials and, 289-298
- Polyvinyl chloride (PVC), 281-288, 289-298
- Potentials, evoked, effects of medications on physiological measures of auditory function and, 223-234
- Preamp, telecoils and, 29-42
- Programs, supported work, employment, and living, current trends and issues in understanding adults with developmental disabilities and, 171-178
- Proliferation, supporting cell, in regenerating avian cochlea, activating influences on, 167-168
- Prosody, assessment of, 237
- PVC. *See* Polyvinyl chloride (PVC)
- Quantifying telecoil performance, 63-70, 71-80

- Radicals, free, oxidative cochlear injury and limitations of antioxidant therapy and, 123-134
- Reactive oxygen species (ROS), oxidative cochlear injury and limitations of antioxidant therapy and, 123-134
- Real ear attenuation threshold (REAT), hearing protection and, 345-354
- REAT. *See* Real ear attenuation threshold (REAT)
- Recasting, management techniques of audiologist and, 240
- Receptors, sensory, ongoing death and replacement of, in mature inner ear, 147-148
- Reflexes, acoustic, 218, 223-234
- Regeneration
of avian cochlea, supporting cell proliferation in, activating influences on, 167-168
of hair cells, 99-100, 151-152, 159-162
- Repetition, management techniques of audiologist and, 240
- Resonance, 236-237, 299-312
- Retardation, mental, 171-178, 179-188, 247-261
- Rheology of otoplastic materials, 289-298
- ROS. *See* Reactive oxygen species (ROS)
- Sacculi, bullfrog, normal and mitotically blocked cultures of, hair cell recovery in, 165-166
- Schedule boards, management techniques of audiologist and, 241-242
- Science and art of custom earmolds, 281-288
- Selection criteria, physical options for custom hearing aids and, 313-322
- Sensory cell protection, role for neurotrophic factors in, 155-156
- Sensory receptors, ongoing death and replacement of, in mature inner ear, 147-148
- Severe disabilities, current trends and issues in understanding adults with developmental disabilities and, 171-178
- Shared participation, methods and strategies for audiological assessment of individuals who are deaf-blind with developmental disabilities and, 211-222
- Shell, laser, new technology of, ear impressions using, 323-332
- Shell design, custom hearing aids and, 317-318
- Silicone, chemistry and rheology of otoplastic materials and, 289-298
- Silicone carbide, custom earmolds and, 281-288
- Simulated telephone sensitivity (STS), 68-69
quantifying telecoil performance and, ANSI standards and, 63-70
- Simulator, telephone, quantifying telecoil performance and, ANSI standards and, 63-70
- Single-gene defects, mental retardation associated with, 182-183
- Skills, functional, current trends and issues in understanding adults with developmental disabilities and, 171-178
- Sociability, telephone across life span and, 1-16
- Sound channels, earmold acoustics and, 299-312
- Sound Pressure Level for Inductive Telephone Simulator (SPLITS), quantifying telecoil performance and, ANSI standards and, 63-70
- Speech, assessment of, 235-246, 255
- Speech-language disorders, referral of adults with developmental disabilities for speech, language, and augmentative and alternative communication services and, 235-246
- SPLITS. *See* Sound Pressure Level for Inductive Telephone Simulator (SPLITS)
- STS. *See* Simulated telephone sensitivity (STS)
- Subchromosomal abnormalities, mental retardation and, 181-182
- Supported work programs, current trends and issues in understanding adults with developmental disabilities and, 171-178
- Syndromes, neurologic, with mental retardation and auditory sequelae, evaluation of, 179-188
- Syndromic mental retardation of unknown etiology, 184-185
- Tactile methods and strategies for audiological assessment of individuals who are deaf-blind with developmental disabilities, 211-222
- Tech Act. *See* Technology-Related Assistance for Individuals with Disabilities Act (Tech Act)
- Technology-Related Assistance for Individuals with Disabilities Act (Tech Act), telephone accessibility and, 9
- Tel-Phone, quantifying telecoil performance in ear and, 71-80
- Telecoils, 1-16, 29-42, 63-70, 71-80, 81-92
- Telephone simulator, quantifying telecoil performance and, ANSI standards and, 63-70
- Telephones, 1-16, 17-28, 40, 43-62
- Testing, difficulty in, adaptive hierarchical test procedures for developmentally delayed adults and, 247-261
- 3-D loop, 86-87
- TIAR, activating influences on supporting cell proliferation in regenerating avian cochlea and, 167-168
- TMFS, quantifying telecoil performance and, ANSI standards and, 63-70
- Topic management, management techniques of audiologist and, 241

- Transducer selection, adaptive hierarchical test procedure and, 253
- Traumatic noise exposure, progression of outer hair cell death in chinchilla cochlea following, 111-114
- tub, hearing loss and, 117-119
- Tubby, mouse genetics as tool for elucidating molecular pathways involved in hearing loss and, 115-122
- Tumor suppressor proteins, hair cell regeneration and, 102
- Tympanometry in assessment of deaf-blind individuals, 218
- Venting, 308-310, 338
- Vestibular application, gene transfer for, 153-154
- Vestibular evoked potentials, 229-230
- Vestibular organs, adult, afferents in, hair cell regeneration of, 161-162
- Viscoelastic foam, chemistry and rheology of otoplastic materials and, 289-298
- Visual examination, adaptive hierarchical test procedure and, 251-252
- Visual reinforcement audiometry (VRA), 189-200
- Voice, assessment of, 236
- VRA. *See* Visual reinforcement audiometry (VRA)
- Waddler, deaf, mouse genetics as tool for elucidating molecular pathways involved in hearing loss and, 115-122
- Wireless, telecoils and, 29-42
- Wireless telephones, 26-27, 40, 43-62
- Word recognition testing, adaptive hierarchical test procedure and, 254-255
- Work programs, supported, current trends and issues in understanding adults with developmental disabilities and, 171-178